

10/049,747

=> ld l1

LD IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

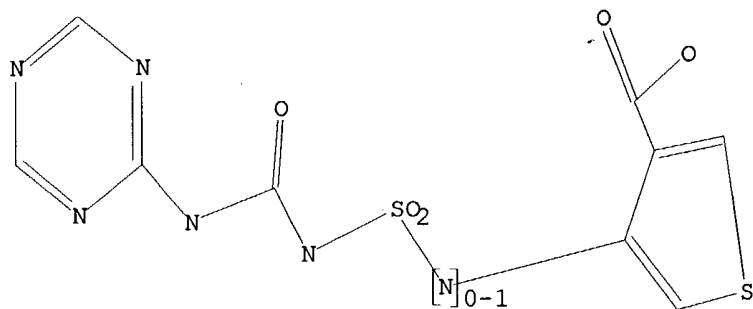
For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss full

FULL SEARCH INITIATED 10:02:35 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 17 TO ITERATE

100.0% PROCESSED 17 ITERATIONS

4 ANSWERS

SEARCH TIME: 00.00.01

L2 4 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

155.42

155.63

FILE 'CAPLUS' ENTERED AT 10:02:40 ON 03 JUN 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 3 Jun 2004 VOL 140 ISS 23

FILE LAST UPDATED: 2 Jun 2004 (20040602/ED)

This file contains CAS Registry Numbers for easy and accurate

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substance identification.

=> s 12

L3 3 L2

=> d 13 1-3 ibib abs hitstr

L3 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:93907 CAPLUS

DOCUMENT NUMBER: 134:147615

TITLE: Preparation of azinylthienyl(amino)sulfonylureas as herbicides

INVENTOR(S): Gesing, Ernst R. F.; Kluth, Joachim; Mueller, Klaus-Helmut; Drewes, Mark Wilhelm; Dahmen, Peter; Feucht, Dieter; Pontzen, Rolf

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: Ger. Offen., 24 pp.

CODEN: GWXXBX

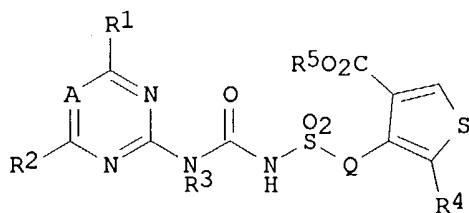
DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19937118	A1	20010208	DE 1999-19937118	19990806
WO 2001010863	A2	20010215	WO 2000-EP7096	20000725 ✓
WO 2001010863	A3	20010907		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000012980	A	20020423	BR 2000-12980	20000725
EP 1206468	A2	20020522	EP 2000-958292	20000725
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2003506449	T2	20030218	JP 2001-515672	20000725
AU 770451	B2	20040219	AU 2000-69863	20000725
PRIORITY APPLN. INFO.:			DE 1999-19937118 A	19990806
			WO 2000-EP7096 W	20000725
OTHER SOURCE(S):		MARPAT 134:147615		
GI				



I

- present

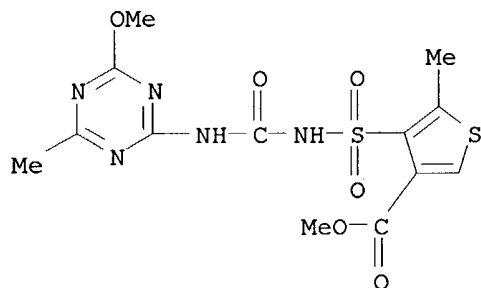
AB Title compds. [I; A = N, CH; Q = bond, NH; R1, R2 = H, halo, (substituted) alkyl, alkoxy, alkylthio, alkylamino, dialkylamino, aryloxy, heterocyclyl; R3 = H, (substituted) alkyl, R4 = H (if Q = NH), halo, (substituted) alkyl, R5 = H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, heterocyclyl], and salts thereof, were prepared as herbicides (no data). Thus, ClSO<sub>2</sub>NCO in CH<sub>2</sub>Cl<sub>2</sub> at -10° was treated dropwise with 2-amino-4,6-dimethoxypyrimidine in CH<sub>2</sub>Cl<sub>2</sub>. After 30 min stirring Me 3-amino-2-methylthiophen-4-carboxylate and Et<sub>3</sub>N in CH<sub>2</sub>Cl<sub>2</sub> was added dropwise at 0° followed by 12 h stirring at 20°C to give 66% N-(4,6-dimethoxypyrimidin-2-yl)-N'-(4-methoxycarbonyl-2-methylthien-3-yl-aminosulfonyl)urea. I were said to show very strong pre- and postemergent herbicidal activity and good crop tolerance.

IT **323180-66-1P**

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of azinylthienyl(amino)sulfonylureas as herbicides)

RN 323180-66-1 CAPLUS

CN 3-Thiophenecarboxylic acid, 4-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]-5-methyl-, methyl ester (9CI) (CA INDEX NAME)



L3 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1985:185108 CAPLUS

DOCUMENT NUMBER: 102:185108

TITLE: Triazinyl sulfonyl ureas and isoureas

INVENTOR(S): Levitt, George

PATENT ASSIGNEE(S): du Pont de Nemours, E. I., and Co., USA

SOURCE: U.S., 118 pp. Cont.-in-part of U.S. Ser. No. 196,267, abandoned.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4481029	A	19841106	US 1982-450214	19821216
DK 8004716	A	19810531	DK 1980-4716	19801106
DK 172396	B1	19980518		
BR 8007674	A	19810609	BR 1980-7674	19801125
AU 8064763	A1	19810604	AU 1980-64763	19801127
AU 536122	B2	19840419		
CA 1189072	A1	19850618	CA 1980-365664	19801127

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provisional  
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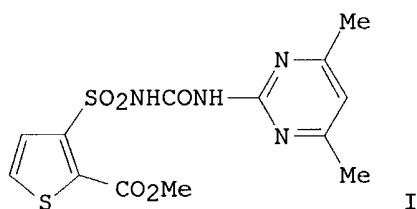
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GB 2065116	A	19810624	GB 1980-38270	19801128
JP 56103179	A2	19810818	JP 1980-166877	19801128
JP 01028033	B4	19890531		
ES 497298	A1	19820616	ES 1980-497298	19801128
ZA 8007458	A	19820728	ZA 1980-7458	19801128
PL 127333	B1	19831031	PL 1980-228148	19801128
HU 29566	O	19840228	HU 1980-2839	19801128
HU 193629	B	19871130		
CS 250207	B2	19870416	CS 1980-8287	19801128
IL 61578	A1	19870831	IL 1980-61578	19801128
RO 81268	B3	19850228	RO 1980-102726	19801129
US 4599103	A	19860708	US 1984-662444	19841015
US 4701535	A	19871020	US 1986-849263	19860407
SU 1748629	A3	19920715	SU 1988-4356634	19881018

PRIORITY APPLN. INFO.:

US 1979-98723	19791130
US 1980-196267	19801022
US 1982-450214	19821216
US 1984-662444	19841015

OTHER SOURCE(S): CASREACT 102:185108  
GI



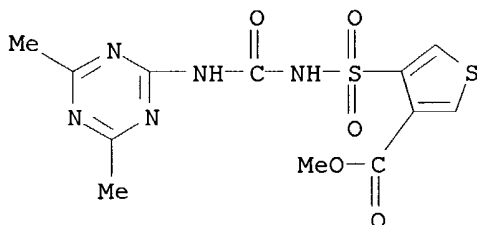
AB RSO<sub>2</sub>NR<sub>2</sub>CXNR<sub>3</sub>R<sub>1</sub> and RSO<sub>2</sub>N:C(XR<sub>4</sub>)NHR<sub>1</sub> [R = substituted furyl, thienyl; R<sub>1</sub> = (un)substituted 2-pyrimidinyl or 1,3,5-triazin-2-yl; R<sub>2</sub>, R<sub>3</sub> = H, Me; R<sub>4</sub> = alkyl, alkenyl] were prepared as herbicides. Thus, Me 3-sulfamoyl-2-thiophenecarboxylate was treated with BuNCO to give 2-(methoxycarbonyl)-3-thiophenesulfonyl isocyanate, which was treated with 2-amino-4,6-dimethylpyrimidine to give the thiophenecarboxylate I. In pre- and post-emergence application at 0.1 kg/ha I showed herbicidal activity against cocklebur, crabgrass, etc.

IT **79277-42-2P**

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as herbicide)

RN 79277-42-2 CAPLUS

CN 3-Thiophenecarboxylic acid, 4-[[[(4,6-dimethyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



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L3 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1981:550713 CAPLUS

DOCUMENT NUMBER: 95:150713

TITLE: Herbicidal ureas and isoureas compositions and use thereof, intermediates therefor and preparation of said intermediates

INVENTOR(S): Levitt, George

PATENT ASSIGNEE(S): du Pont de Nemours, E. I., and Co. , USA

SOURCE: Eur. Pat. Appl., 241 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

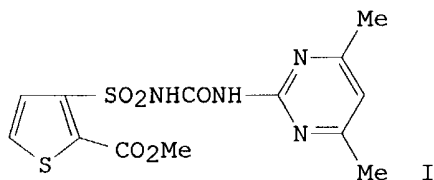
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 30142	A2	19810610	EP 1980-304287	19801128
EP 30142	A3	19810812		
EP 30142	B1	19841205		
R: AT, BE, CH, DE, FR, IT, LU, NL, SE				
DK 8004716	A	19810531	DK 1980-4716	19801106
DK 172396	B1	19980518		
BR 8007674	A	19810609	BR 1980-7674	19801125
AU 8064763	A1	19810604	AU 1980-64763	19801127
AU 536122	B2	19840419		
CA 1189072	A1	19850618	CA 1980-365664	19801127
GB 2065116	A	19810624	GB 1980-38270	19801128
JP 56103179	A2	19810818	JP 1980-166877	19801128
JP 01028033	B4	19890531		
ES 497298	A1	19820616	ES 1980-497298	19801128
ZA 8007458	A	19820728	ZA 1980-7458	19801128
PL 127333	B1	19831031	PL 1980-228148	19801128
HU 29566	O	19840228	HU 1980-2839	19801128
HU 193629	B	19871130		
AT 10569	E	19841215	AT 1980-304287	19801128
CS 250207	B2	19870416	CS 1980-8287	19801128
IL 61578	A1	19870831	IL 1980-61578	19801128
RO 81268	B3	19850228	RO 1980-102726	19801129
US 4701535	A	19871020	US 1986-849263	19860407
SU 1748629	A3	19920715	SU 1988-4356634	19881018

PRIORITY APPLN. INFO.:

US 1979-98723	19791130
US 1980-196267	19801022
EP 1980-304287	19801128
US 1984-662444	19841015

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AB Thienyl- and furylsulfonyl(azinyl)ureas were prepared Thus Me 3-sulfamoyl-2-thiophenecarboxylate was treated with COCl<sub>2</sub> and the

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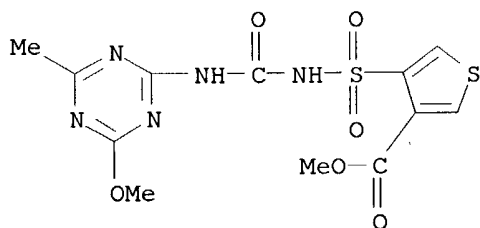
isocyanate treated with 2-amino-4,6-dimethylpyrimidine to give I.  
Triazine derivs. were similarly prepared At 0.1 kg/ha post-emergence I gave  
>90% inhibition of a variety of weeds.

IT 79277-37-5 79277-38-6 79277-42-2

RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); BIOL (Biological study)  
(herbicidal activity of)

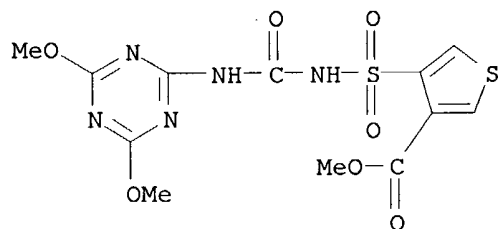
RN 79277-37-5 CAPLUS

CN 3-Thiophenecarboxylic acid, 4-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-  
yl)amino]carbonyl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 79277-38-6 CAPLUS

CN 3-Thiophenecarboxylic acid, 4-[[[(4,6-dimethoxy-1,3,5-triazin-2-  
yl)amino]carbonyl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 79277-42-2 CAPLUS

CN 3-Thiophenecarboxylic acid, 4-[[[(4,6-dimethyl-1,3,5-triazin-2-  
yl)amino]carbonyl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

